- mixing CsX with an Europium compound selected from the group consisting of EuX'_2, EuX'_3 and EuOX', X' being selected from the group consisting of F, Cl, Br, I and combinations thereof,
- heating said mixture at a temperature above 450°C,
- cooling said mixture, and
- optionally recovering the CsX:Eu phosphor.

Please substituted the following for claim 14:

14. (Amended) A method for manufacturing a binderless phosphor screen on a substrate containing a CsX:Eu stimulable phosphor, wherein X represents a halide selected from the group consisting of Br, Cl and combinations thereof comprising the steps of:

- bringing heatable multiple containers of CsX and an Europium compound selected from the group consisting of EuX'_2, EuX'_3 and EuOX', X' being selected from the group consisting of F, Cl, Br, I and combinations thereof, together with the substrate; and
- depositing, by a method selected from the group consisting of physical vapor deposition, chemical vapor deposition or atomization technique, both said CsX and said Europium compound on a substrate in such a ratio that on said substrate a CsX phosphor, doped with between 10^{-3} and 5 mol% of Europium, is formed.

Please substituted the following for claim 15:

15. (Amended) A method for manufacturing a phosphor screen containing a CsX:Eu stimulable phosphor, wherein X represents a halide selected from the group consisting of Br and Cl comprising the steps of:

- mixing CsX with between 10^{-3} and 5 mol% of an Europium compound selected from the group consisting of EuX'_2, EuX'_3 and EuOX', X' being selected from the group consisting of F, Cl, Br, I and combinations thereof,
- bringing said mixture in a container together with a substrate, and
- depositing said mixture on the substrate by a method selected from the group consisting of physical vapor deposition, chemical vapor deposition or atomization technique.

Please substituted the following for claim 18:

18. (Amended) The phosphor of claim 15, wherein a ranges from about 0.99 to about 0.95 and b ranges from about 0.01 to about 0.05.

Please cancel claim 19.

Please substituted the following for claim 20:

20. (Amended) A CsX:Eu compound prepared according to one of the methods of claims 1, 2, 3, 4, 5 or 6.

Please add the following new claims 25-34:

25. (New) A method for producing a CsX:Eu stimulable phosphor, wherein X represents a halide selected from the group consisting of Br, Cl and combinations thereof, comprising the steps of:

- mixing CsX with between 10^{-3} and 5 mol% of an Europium compound selected from the group consisting of EuX'_2, EuX'_3 and EuOX', X' being selected from the group consisting of F, Cl, Br, I and combinations thereof,
- heating said mixture at a temperature above 450°C,
- cooling said mixture, and
- optionally recovering the CsX:Eu phosphor.

26. (New) The method of claim 25 wherein X' is a member selected from the group consisting of Br and Cl.

27. (New) The method of claim 25 wherein between 10^{-1} and 3 mol% of said Europium compound is mixed with said CsX.

28. (New) The method of claim 27 wherein X' is a member selected from the group consisting of Br and Cl.

29. (New) A binderless phosphor screen containing a CsX:Eu phosphor prepared according to the method of claim 25.

30. (New) A binderless phosphor screen containing a CsX:Eu phosphor prepared according to the method of claim 26.

31. (New) A binderless phosphor screen containing a CsX:Eu phosphor prepared according to the method of claim 27.

32. (New) A binderless phosphor screen containing a CsX:Eu phosphor prepared according to the method of claim 28.

33. (New) A method for producing a binderless phosphor screen comprising the steps of:

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- producing a CsX:Eu phosphor according to the method of claim 25, and
- depositing said phosphor on a substrate by a method selected from the group consisting of physical vapor deposition, chemical vapor deposition or an atomization technique.

34. (New) A CsX:Eu compound prepared according to claim 25.